

REC'D - 7/1/02

JUN 28 2002



TECH 100

1647

RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/423,100

DATE: 06/11/2002

TIME: 14:23:33

Input Set : A:\-1-2.app

Output Set: N:\CRF3\06112002\I423100.raw

SEQUENCE LISTING**ENTERED**

4 (1) GENERAL INFORMATION:

6 (i) APPLICANT: Gan, Zhong Ru

8 (ii) TITLE OF INVENTION: Chaperone Mediated Protein
9 Folding Method

11 (iii) NUMBER OF SEQUENCES: 7

13 (iv) CORRESPONDENCE ADDRESS:

14 (A) ADDRESSEE: Townsend and Townsend and Crew LLP

15 (B) STREET: Two Embarcadero Center, Eighth Floor

16 (C) CITY: San Francisco

17 (D) STATE: California

18 (E) COUNTRY: USA

19 (F) ZIP: 94111-3834

21 (v) COMPUTER READABLE FORM:

22 (A) MEDIUM TYPE: Floppy disk

23 (B) COMPUTER: IBM PC compatible

24 (C) OPERATING SYSTEM: PC-DOS/MS-DOS

25 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

27 (vi) CURRENT APPLICATION DATA:

28 (A) APPLICATION NUMBER: US/09/423,100

C--> 29 (B) FILING DATE: 11-Dec-2000

30 (C) CLASSIFICATION:

32 (vii) PRIOR APPLICATION DATA:

33 (A) APPLICATION NUMBER: WO PCT/CN98/00052

34 (B) FILING DATE: 31-MAR-1998

36 (viii) ATTORNEY/AGENT INFORMATION:

37 (A) NAME: Mycroft, Frank J

38 (B) REGISTRATION NUMBER: 46,946

39 (C) REFERENCE/DOCKET NUMBER: 020167-000120US

42 (2) INFORMATION FOR SEQ ID NO: 1:

44 (i) SEQUENCE CHARACTERISTICS:

45 (A) LENGTH: 49 amino acids

46 (B) TYPE: amino acid

47 (C) STRANDEDNESS:

48 (D) TOPOLOGY: linear

50 (ii) MOLECULE TYPE: protein

53 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 1:

55 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu

56 1 5 10 15

58 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe

59 20 25 30

61 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn

62 35 40 45

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64 Pro
67 (2) INFORMATION FOR SEQ ID NO: 2:
69 (i) SEQUENCE CHARACTERISTICS:
70 (A) LENGTH: 92 amino acids
71 (B) TYPE: amino acid
72 (C) STRANDEDNESS:
73 (D) TOPOLOGY: linear
75 (ii) MOLECULE TYPE: protein
78 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 2:
80 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
81 1 5 10 15
83 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
84 20 25 30
86 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
87 35 40 45
89 Pro Gln Thr Ser Leu Ser Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn
90 50 55 60
92 Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser
93 65 70 75 80
95 Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln
96 85 90
99 (2) INFORMATION FOR SEQ ID NO: 3:
101 (i) SEQUENCE CHARACTERISTICS:
102 (A) LENGTH: 6 amino acids
103 (B) TYPE: amino acid
104 (C) STRANDEDNESS:
105 (D) TOPOLOGY: linear
107 (ii) MOLECULE TYPE: protein
110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 3:
112 Leu Gly Thr Gly Pro Arg
113 1 5
116 (2) INFORMATION FOR SEQ ID NO: 4:
118 (i) SEQUENCE CHARACTERISTICS:
119 (A) LENGTH: 86 amino acids
120 (B) TYPE: amino acid
121 (C) STRANDEDNESS:
122 (D) TOPOLOGY: linear
124 (ii) MOLECULE TYPE: protein
127 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 4:
129 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
130 1 5 10 15
132 Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Arg
133 20 25 30
135 Glu Ala Glu Asp Leu Gln Val Gly Gln Val Glu Leu Gly Gly Pro
136 35 40 45
138 Gly Ala Gly Ser Leu Gln Pro Leu Ala Leu Glu Gly Ser Leu Gln Lys
139 50 55 60
141 Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln
142 65 70 75 80

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144 Leu Glu Asn Tyr Cys Asn
145 85
148 (2) INFORMATION FOR SEQ ID NO: 5:
150 (i) SEQUENCE CHARACTERISTICS:
151 (A) LENGTH: 52 amino acids
152 (B) TYPE: amino acid
153 (C) STRANDEDNESS:
154 (D) TOPOLOGY: linear
156 (ii) MOLECULE TYPE: protein
159 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 5:
161 Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala Leu Tyr
162 1 5 10 15
164 Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr Arg Gly
165 20 25 30
167 Ile Val Glu Cln Cys Cys Thr Scr Ile Cys Scr Leu Tyr Cln Leu Clu
168 35 40 45
170 Asn Tyr Cys Asn
171 50
174 (2) INFORMATION FOR SEQ ID NO: 6:
176 (i) SEQUENCE CHARACTERISTICS:
177 (A) LENGTH: 107 amino acids
178 (B) TYPE: amino acid
179 (C) STRANDEDNESS:
180 (D) TOPOLOGY: linear
182 (ii) MOLECULE TYPE: protein
185 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 6:
187 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu
188 1 5 10 15
190 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
191 20 25 30
193 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
194 35 40 45
196 Pro Leu Gly Thr Gly Pro Arg Phe Val Asn Gln His Leu Cys Gly Ser
197 50 55 60
199 His Leu Val Glu Ala Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe
200 65 70 75 80
202 Tyr Thr Pro Lys Thr Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile
203 85 90 95
205 Cys Ser Leu Tyr Gln Leu Glu Asn Tyr Cys Asn
206 100 105
209 (2) INFORMATION FOR SEQ ID NO: 7:
211 (i) SEQUENCE CHARACTERISTICS:
212 (A) LENGTH: 150 amino acids
213 (B) TYPE: amino acid
214 (C) STRANDEDNESS:
215 (D) TOPOLOGY: linear
217 (ii) MOLECULE TYPE: protein
220 (xi) SEQUENCE DESCRIPTION: SEQ ID NO: 7:
222 Met Phe Pro Thr Ile Pro Leu Ser Arg Leu Phe Asp Asn Ala Met Leu

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223 1 5 10 15
225 Arg Ala His Arg Leu His Gln Leu Ala Phe Asp Thr Tyr Gln Glu Phe
226 20 25 30
228 Glu Glu Ala Tyr Ile Pro Lys Glu Gln Lys Tyr Ser Phe Leu Gln Asn
229 35 40 45
231 Pro Gln Thr Ser Leu Ser Phe Ser Glu Ser Ile Pro Thr Pro Ser Asn
232 50 55 60
234 Arg Glu Glu Thr Gln Gln Lys Ser Asn Leu Glu Leu Leu Arg Ile Ser
235 65 70 75 80
237 Leu Leu Leu Ile Gln Ser Trp Leu Glu Pro Val Gln Leu Gly Thr Gly
238 85 90 95
240 Pro Arg Phe Val Asn Gln His Leu Cys Gly Ser His Leu Val Glu Ala
241 100 105 110
243 Leu Tyr Leu Val Cys Gly Glu Arg Gly Phe Phe Tyr Thr Pro Lys Thr
244 115 120 125
246 Arg Gly Ile Val Glu Gln Cys Cys Thr Ser Ile Cys Ser Leu Tyr Gln
247 130 135 140
249 Leu Glu Asn Tyr Cys Asn
250 145 150

VERIFICATION SUMMARY

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L:28 M:220 C: Keyword misspelled or invalid format, [(A) APPLICATION NUMBER:]
L:29 M:220 C: Keyword misspelled or invalid format, [(B) FILING DATE:]